hoRRIzon projects: Responsible Research and Innovation for trusted products

Horizon's cross-cutting Theme was introduced to understand how Responsible Research and Innovation (RRI) is perceived and implemented within our Programme 'Trusted Data Driven Products'. This work supports embedding an RRI culture and practices across all research projects within Horizon and other UKRI research and training programmes.

Cross-cutting research activities include the development and validation of tools to aid RRI practice (e.g., card-based approaches -physical and online) to address barriers and enhancers for RRI implementation and policy impact.

hoRRIzon 1.0 (April 2021 – April 2022)

Journal of Responsible Technology
Volume 12, December 2022, 100045

Supporting responsible research and innovation within a university-based digital research programme: Reflections from the "hoRRIzon" project

Virginia Portillo [a] [✉], Peter Craigon [a b], Liz Dowthwaite [a], Chris Greenhalgh [a c], Elvira Pérez-Vallejos [a d]

https://doi.org/10.1016/j.jrt.2022.100045

Main factors that impacted RRI integration

Benefits	Barriers
Time (e.g., anticipatory and reflective work)	Time & timing (e.g., dynamics of short-term projects)
Stakeholder engagement	Limited support to aid RI practice (e.g., tools used benefited from guidance)
Consideration of EDI (e.g., representative sample of research participants)	Unclear expectations of researchers' RI practice (from funder and institution)
Effective communication (e.g., within the team, with stakeholders)	

Stahl B., Portillo V., Wagner H et al. (under review JRI)

Policy Impact

1. Chen, J., Dove, E., Edwards, L., Koene, A., McAuley, D., Piskopani, A., & Urquhart, L. Response to the Government's 'Data: A New Direction' Consultation. (January 2022) https://doi.org/10.25878/gsc1-vz67

2. McAuley, D., Piskopani, A., Portillo, V., Webb, H., & Wagner, H. Response to the call for evidence on The right to privacy: digital data (February 2022). https://doi.org/10.17639/X2FE-4722

3. Derek McAuley, Andy Crabtree, Anna-Maria Piskopani, Jiahong Chen, Lachlan Urquhart, Response to A Call For Evidence Connected Tech Smart Or Sinister By DCMS Committee published 2022 via University of Nottingham (June 2022). https://doi.org/10.25878/0kj7-hh45

hoRRIzon 2.0 (May 2022 – April 2023)

Responsible Innovation Prompts and Practice Cards (RI Cards)

Portillo V., Greenhalgh C., Craigon P.J., and Ten Holter C. 2023. https://doi.org/10.1145/3597512.3599721

RI Cards- Online resources

Cardographer Web app:

Scan me

https://cardographer.cs.nott.ac.uk/sessions/64be3ee7f2068c32233f71f2/cards

RI Cards on Miro board:
https://miro.com/app/board/uXjVMzvFYh4=/
TAS- hosted site on RRI for ICT:
https://tas.ac.uk/responsible-research-innovation/rri-for-ict-researchers/

Scan me

Responsible Innovation & Legal implications of AI

Responsible AI and the Arts: The Ethical and Legal Implications of AI in the Arts and Creative Industries

Authors: Anna Maria Piskopani, Alan Chamberlain, Carolyn Ten Holter   Authors Info & Claims

TAS '23: Proceedings of the First International Symposium on Trustworthy Autonomous Systems • July 2023 • Article No.: 48 • Pages 1–5 • https://doi-org.nottingham.idm.oclc.org/10.1145/3597512.3597528

Published: 11 July 2023   Publication History   Check for updates

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Exploring the impact of ChatGPT and generative AI in Higher Education

By Anna Chatzimichali, Anna-Maria Piskopani
25th September 2023

hoRRIzon 3.0 (May 2023 – ongoing)

Supporting RRI training and practice

Delivery of RRI training
Horizon CDT, UoN

RI Cards: current version 3.1.1 (November, 2023)

Responsible Innovation (RI) Prompts and Practice Cards
Version 3.1.1 (November 2023)
These cards highlight 4 key activities and 16 different aspects of Responsible Innovation (RI) for researchers and innovators to consider.

http://doi.org/10.17639/nott.7353

Journal of Responsible Technology
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Assessing responsible innovation training

Bernd Corsten Stahl [a] [✉], Christine Aicardi [h], Laurence Brooks [c], Peter I. Craigon [d], Mayen Cunden [c], Saheli Datta Burton [f], Martin De Heaver [f], Stevienna De Saille [h], Serena Dolby [g], Liz Dowthwaite [c f], Damian Eke [c], Stephen Hughes [c], Paul Keene [g], Vivienne Kuh [i], Virginia Portillo [e d], Danielle Shanley [k], Melanie Smallman [l], Michael Smith [f], Jack Stilgoe [f], Inga Ulnicane [m], Helena Webb [c d]

https://doi.org/10.1016/j.jrt.2023.100063

Development of RRI educational toolkit: Storytelling workshops

The storytelling aspect was useful for thinking about how research may be received differently by different groups of people, and for understanding how I can write about my research in a way that considers RRI."

RRI and regulation roundtables as semi-structured discussions:

"It was a really useful format for talking through some of my thoughts on RRI and multidisciplinary projects."

Dissemination an evaluation of the RI Cards

Trustworthy Autonomous Systems (TAS) Symposium

Edinburgh, July 2023

"Before this exercise, I was not aware of this concept [Responsible Innovation]. Now I have realized this useful resource for my future projects."

"The experiential aspect of putting theory to action was incredibly helpful"

Distributed over 200 physical decks so far in the UK, USA, France and Australia; collating feedback on use.

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